

## National Stock Exchange of India Limited

<b>Department: Member Service</b>	
<b>Download Ref No: NSE/MSD/ 57039</b>	<b>Date: June 09, 2023</b>
<b>Circular Ref. No: 34/2023</b>	

All Trading Members and CaaS vendors,

### **Sub: Colocation offering – Introduction of additional features/enhancements**

Exchange in its continuous endeavor to enhance members experience, takes various initiatives from time to time. Currently, Exchange provides 1 pair of uplinks (i.e. 2 cross connects) for each rack in the colocation facility which carries the interactive and multicast traffic over the 10G network.

Based on the feedback received from the Participants and to optimize the network and infrastructure requirement at Participants end, Exchange is pleased to inform that, participants can now avail additional pair(s) of 10G uplink (i.e. cross connect) for their existing colocation rack(s).

#### **The salient features of the same are as below:**

- In addition to the 1 pair of cross connect (currently allocated by default) participants can avail additional cross connects on demand. Additional pair of cross connects will be facilitated based on category of rack, the details of which are given below:
  - Participants having full rack can avail up to 4 additional pairs i.e. they can avail 1,2,3,4 any number of pairs (not exceeding 4) based on their business requirement
  - Participants having Half racks can avail 1 additional pair
  - Quarter rack shall not be eligible for additional cross connect
- Participants can apply for the additional pair of uplinks in their rack by applying to the Exchange as per the attached format (Annexure 1).
- Each cross-connect will be offered from a different Access Layer Switches which are in the same server room/server hall/colo phase.
- The facility to submit digital application for cross connect through ENIT will be made available soon and same will be communicated vide a separate circular.
- Based on application submitted; the additional pair shall be provided based on FIFO method and subject to availability of infrastructure for fulfilling the participants request.
- The Annual Recurring Charges (ARC) for the additional 1 pair of connectivity would be Rs 75000 + applicable taxes. The charges levied would be on Pro-rata basis and would be applicable from the date of allotment of such pair of uplinks.
- The facility of additional pairs shall also be available for CaaS vendors.
- For the members charges shall be collected from their Exchange dues account. CaaS vendors can make the necessary payment via NEFT/RTGS in lines with rack application being made currently.

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- An application duly submitted to the Exchange along with the necessary payment in a particular month shall only be considered and same shall be considered for allotment anytime during next six months as applicable for allotment of Colocation rack.
- Exchange shall not be held liable in case of delays due to unforeseen circumstances beyond control of the Exchange.
- Additionally, the maximum permissible IP limits is being enhanced for all rack types i.e., Full, Half and Quarter racks, subject to adherence to current power consumption limit set by the Exchange. The count of maximum permissible IPs is revised on a full rack from 40 to 60, on half rack from 20 to 30 and on quarter rack from 10 to 15.
- Further, since the maximum permissible IPs are being increased from 40 to 60 on full rack and from 20 to 30 on half rack, CaaS vendors can empanel maximum 30 members on full rack and 15 members on half rack with no change in other guidelines mentioned in the relevant CaaS circular updated from time to time.
- Members / CaaS vendors shall be allotted a separate IP schema for each additional pair of uplinks subscribed by them.
- Given the fact that each pair of uplinks will have a dedicated pool of IPs, members while requesting additional IP(s) must select specific pair of uplinks under which IP is being requested.
- However, the total no of permissible IPs cumulatively across all pairs shall not exceed 60 for full rack, 30 for half rack and 15 for quarter rack.
- Existing active IPs availed by the members shall be considered as availed under default uplink provided during allotment.

**Revised Colocation offering shall be as follows.**

<b>Rack Type</b>	<b>Pair of uplinks (cross connects)</b>	<b>Total permissible connectivity (IPs) across all Pairs of uplinks</b>	<b>Maximum permissible power consumption for the Rack</b>
Full	1 Default + Additional 4 on demand basis	60	6.00 KVA
Half	1 Default + Additional 1 on demand basis	30	3.50 KVA
Quarter	1 Default	15	1.75 KVA

- The revised colocation framework is envisaged to benefit participants and enable them to utilize their colocation capacities more efficiently. In view of the same, participants intending to surrender their existing rack(s) or to cancel existing rack desire requests, shall be able to do so via ENIT.
- In case of cancellation of existing rack desire request to avail a cross connect, entire deposit obtained from participant along with rack desire request will be refunded by the Exchange.
- The Exchange shall continue to review the offering and various applicable features, charges, eligibility criteria, etc., from time to time based on the experience gained and inputs received from market participants / regulator, etc.

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- The operational details for submission of IP requests and effective date for implementation of the features / facility shall be communicated separately. However, members desirous of availing the cross connect facility may submit application to the Exchange as per attached Annexure 1.

Further, Exchange strongly advises all its colocation participants to:

- Surrender the unused racks, if any.
- Consider consolidation of procured racks, if feasible.
- Use the racks space for server placement optimally.
- Commence utilization of rack within 3 months from the date of allotment.

We trust that Colo Participants will act in the interest of overall market growth and development.

For any technical queries in this regard Participants may contact Colo support team.

**For and on behalf of  
National Stock Exchange of India Limited**

**Bharat Gandhi  
Chief Manager**

*Note: The Exchange will provide co-location facility on a best effort basis and shall not be responsible for any direct/indirect/consequential loss/damage/claim of any kind for any reason whatsoever including but not limited to power failure, air conditioning failure, system failure and loss of connectivity etc. Further, the Exchange shall not be liable for discontinuation of co-location facility owing to legal and/or regulatory requirement. Kindly note that the Exchanges Colocation facility does not have a separate BCP/DR Site and colocation is not available in the exchange's DR facility. Considering the current technology intensive environment in which Indian Securities market operates, to ensure stability in operations of Members and to protect the interest of investors and market at large, members advised to sufficiently review all potential risks along with its impact on the business and put in place Business Continuity Planning (BCP)/Disaster Recovery (DR) systems.*

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